ABSTRACT

A method, an apparatus, and a computer program product for facilitating local signaling among a plurality of agents are presented. An agent **100** including a digital processor

5   **102** a transmitter **104**, and a directional receiver **106** comprising a plurality of angular regions **108** is configured to enable the selection of a signal from a plurality of signals received on the basis of local data such as the strength of the received signal. The local data may be incorporated into a cumulative data portion of a signal that is passed from local agent **100** to local agent **100** across a plurality of agents **100** in order to provide a

10   gradient across the plurality of agents **100**. The gradient could be used, for example, to determine a shortest path across the agents. The signaling techniques described can also be used to determine the distance and direction to objects in the signaling path.